No. 8000158

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

The Curators of the University of Missouri

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IT IS UNLAWFUL FOR ANY UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'Pike'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of* Washington, D.C. *this* 23rd *day of* September *in the year of our Lord one thousand nine hundred and* eighty-two

Attest:

Kenneth B. [illegible]

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

John R Block

Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

FORM APPROVED
OMB NO. 40-R3822

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAME	FOR OFFICIAL USE ONLY
W9148	Pike	PV NUMBER 8000158
2. KIND NAME: Wheat	3. GENUS AND SPECIES NAME: Triticum aestivum	FILING DATE 9/17/80 / TIME 1:00 A.M. (P.M.)
4. FAMILY NAME (BOTANICAL): Gramineae	5. DATE OF DETERMINATION: August 17, 1979	FEE RECEIVED $ 500.00 / $ 250.00 / DATE 9/17/80 / 8/30/82

6. NAME OF APPLICANT(S)	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*	8. TELEPHONE AREA CODE AND NUMBER
The Curators of the University of Missouri	225 University Hall Columbia, Missouri 65211	816-882-2705 314-443-1614 Rec

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)*	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION	11. DATE OF INCORPORATION
A public corporation per Section 172.020 R.S. Mo.	Missouri	1839

12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS:
Prof. L. E. Cavanah, Dept. of Agronomy, 135 Mumford Hall
University of Missouri, Columbia, Missouri 65211

13. **CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:**

- [X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [X] 13B. Exhibit B, Novelty Statement.
- [X] 13C. Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*
- [X] 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [X] YES [ ] NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?	14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED?
[X] YES [ ] NO	[X] FOUNDATION Rec [X] REGISTERED Rec [X] CERTIFIED Rec

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? [X] YES [ ] NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

Aug. 12, 1980
(DATE)

Gerald D. Jensen
(SIGNATURE OF APPLICANT)
Gerald D. Jensen, Director
Business Services
Property & Risk Management

(DATE)

(SIGNATURE OF APPLICANT)

FORM GR-470 (1-78)

1

SEP 17 1980

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and $500 fee ($250 filing fee and $250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.

13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.

14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)

15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

Wheat

'Pike'

13a. Exhibit A: Geneaology

Pedigree: Sava/Stoddard/3/Suwon 92 Burt/2/Stoddard

'Pike' was originally selected as a single plant in a F_3 bulk population that was space planted - selection was on the basis of plant type and resistance to Septoria tritici.

A modified pedigree method of breeding was used. Final selection for uniformity of phenotypic traits was made in the F_6 generation in head hill plots. One hundred heads were selected at random, planted in head hills, the off type hills were pulled out and the remainder harvested in bulk.

'Pike' has appeared stable and uniform over four generations during the testing at 7 locations in Missouri and during the seed increase program. It was grown in the Uniform Eastern Soft Red Winter Performance Nursery from 1977 to 1980 and outstate trials in Missouri starting in 1976.

Anther color is yellow. Some slight variation in length of awnlet, and spike color may be present. Awnlets up to 3 cm. in length may appear at the tip of the spike and may vary from absent to 1 cm. in length in the central or lower parts. Up to 0.5% of the spikes may be bronze colored and/or awned. Some years, there may be the presence of one half of one percent, or less, of white kernels as a variant in 'Pike' wheat.

Wheat

'Pike'

13b. Exhibit B: Novelty Statement

'Pike is most similar to 'Stoddard', however 'Pike' is shorter in plant height (approx 12.5 cm.), is more resistant to Septoria tritici (approx. 6% less infection), and potentially may set more grains per spikelet (up to 5 rather than 3). In the vegetative stage, leaf color of 'Pike' will be slightly darker than of 'Stoddard'. The awnlets are more pronounced in 'Pike' than in 'Stoddard'.

Over the past 4 years, in 20 comparisons, 'Pike' has averaged 94 cm. in height compared to ~~108~~ 106.68 cm. for 'Stoddard'. Infection with Septoria tritici has averaged 19% as compared to 25% for 'Stoddard'. Yield has averaged 61 bu/acre compared to 53 for 'Stoddard'.

Missouri Outstate Variety Trials - 4 year average*

Variety	Yield bu/acre	Test Wt. lb/bu	Pearled off %	Dt. hded.	Ht. in.	Lodg. %	Septoria leaf %	Septoria head %	Mil-dew %	Leaf Rust %
Stoddard	52.9	60.0	38	11	42	18	25	5	32	4
Pike	61.1	58.9	39	9	37	20	19	10	40	10

* Data from 6 locations in 1977 and 1979, 5 locations in 1976 and 4 locations in 1978.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-6
(2-15-73)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
University of Mo., Dept. of Agronomy

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
106 Curtis Hall
Columbia, Missouri 65211

FOR OFFICIAL USE ONLY

PVPO NUMBER
80 00158

VARIETY NAME OR TEMPORARY DESIGNATION
Pike

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:

[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:

[2] 1 = SPRING 2 = WINTER 3 = OTHER (*Specify*) _____

[1] 1 = SOFT 2 = HARD 3 = OTHER (*Specify*) _____

[2] 1 = WHITE 2 = RED 3 = OTHER (*Specify*) _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:

[2][0][0] FIRST FLOWERING

[2][0][9] LAST FLOWERING

4. MATURITY (*50% Flowering*):

[0][0] NO. OF DAYS *EARLIER* THAN .....

[0][0] NO. OF DAYS *LATER* THAN .....

[1] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

[1]

5. PLANT HEIGHT (*From soil level to top of head*):

[0][9][4] CM. HIGH

[0][0] CM. TALLER THAN .....

[0][2] CM. SHORTER THAN .....

[0] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

[1]

6. PLANT COLOR AT BOOTING (*See reverse*):

[2] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:

[1] 1 = YELLOW 2 = PURPLE

8. STEM:

[1] Anthocyanin: 1 = ABSENT 2 = PRESENT

[1] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT

[0][5] NO. OF NODES (*Originating from node above ground*)

[1] Waxy bloom: 1 = ABSENT 2 = PRESENT

[1] Internodes: 1 = HOLLOW 2 = SOLID

[2][8] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:

[1] Anthocyanin: 1 = ABSENT 2 = PRESENT

[2] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:

[1] Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER (*Specify*): _____

[1] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT

[1][4] MM. LEAF WIDTH (*First leaf below flag leaf*)

[2] Flag leaf: 1 = NOT TWISTED 2 = TWISTED

[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT

[2][6] CM. LEAF LENGTH (*First leaf below flag leaf*):

FORM GR-470-6 (REVERSE)

11. HEAD:

[1] Density: 1 = LAX 2 = DENSE

[1] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER *(Specify)* _____

[3] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[1] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER *(Specify)*: _____

[1][0] CM. LENGTH

[1][5] MM. WIDTH

12. GLUMES AT MATURITY:

[3] Length: 1 = SHORT *(CA. 7 mm.)* 2 = MEDIUM *(CA. 8 mm.)* 3 = LONG *(CA. 9 mm.)*

[3] Width: 1 = NARROW *(CA. 3 mm.)* 2 = MEDIUM *(CA. 3.5 mm.)* 3 = WIDE *(CA. 4 mm.)*

[3] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

[2] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[1] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[2] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[2] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[2] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[2] Brush: 1 = SHORT 2 = MEDIUM 3 = LONG

[1] Brush: 1 = NOT COLLARED 2 = COLLARED

[ ] Phenol reaction *(See instructions)*: 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

[3] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER *(Specify)* _____

[0][6] MM. LENGTH

[0][3] MM. WIDTH

[2][9] GM. PER 1000 SEEDS

17. SEED CREASE:

[2] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

[2] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] STEM RUST *(Races)* _____

[2] LEAF RUST *(Races)* _____

[0] STRIPE RUST *(Races)* _____

[0] LOOSE SMUT

[1] POWDERY MILDEW

[0] BUNT

[2] OTHER *(Specify)* Septoria leaf blotch, BYDV

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] SAWFLY

[0] APHID *(Bydv.)*

[0] GREEN BUG

[0] CEREAL LEAF BEETLE

[ ] OTHER *(Specify)* _____

HESSIAN FLY RACES: [2] GP [2] A [0] B [2] C [0] D [0] E [0] F [0] G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Stoddard	Seed size	Stoddard
Leaf size	Stoddard	Seed shape	Stoddard
Leaf color	Sava	Coleoptile elongation	Stoddard
Leaf carriage	Stoddard	Seedling pigmentation	Stoddard

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. *(See attachment.)*

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.

6/8/81

Wheat

'Pike'

13c. Exhibit C: Description of Variety

'Pike' has averaged 94 cm. in height in Missouri, 12.5 cm. shorter than 'Stoddard'.

At booting the plant color is a medium green. 'Stoddard' normally has a light green leaf color, as compared to 'Arthur', while 'Pike' will be more intermediate.

Anther color of 'Pike' is normally yellow but up to 25% of the spikes may be purple.

Spikes are mid-dense, slightly tapered, and a light straw color at maturity. Up to 5 kernels per spikelet often develop giving the head a plump appearance.

'Pike' has been much higher yielding than 'Stoddard' but has been lower in test weight. Tolerance to Septoria leaf blotch is greater in 'Pike' but Septoria glume blotch is greater in 'Stoddard'.

'Pike' has been slightly superior to 'Stoddard' in overall milling and baking quality but flour yield is slightly lower.

Wheat

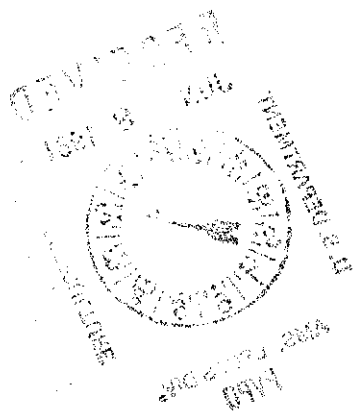
'Pike'

13d. Exhibit D: Description of Additional Characters

'Pike' is a common soft red winter wheat, Triticum aestivum L.

'Pike' is a short early variety with good standing ability. It has an excellant yield record in Missouri. Test weight is slightly lower than 'Stoddard' but yield is greater. The spikes are medium lax, slightly tapered, and light straw colored at maturity.

'Pike' has awnlets on the spikes. The awnlets vary from 1 to 3 cm. at the tip to being absent to 1 cm. in length in the central or lower spikelets. There may be as many as 5 kernels per spikelet giving the spike a very plump appearance.



APPLICATION NO. 8000158

VARIETY NAME 'pike'

Test Results Based on the American Association of Cereal Chemists Approved Method (AACC)

1. Straight dough development time ratio:

Farino graph _____

Dough-Mixer _____

2.

Baking Ingredients	Arrival time--minutes	Peak time	Stability--minutes	Curve center height B.U.	Height at end B.U.
Yeast					
No rest					
4 hr. rest					

3. Protein percentage _____

Soft Wheat Quality Evaluations

	Wheat				Quadrumat Flour					
	Micro test wt kg/hl	Prot. %	Part. Size Index %	Flour Yield %	Ash %	Prot. %	Visc as is Mach.	Visc adj Macm	Micro AWRC %	Cookie diam cm.
Pike	78.9	12.5	45.3	72.0	.39	11.1	95	67.8	53.4	18.6
Stoddard	81.5	13.3	35.9	72.7	.48	11.8	110	71.1	53.9	18.6

Comparisons of data from the USDA Soft Wheat Quality Lab. Stoddard is the check variety with soft wheat quality of recognized acceptability. A low protein, low AWRC and high PSI is desired.

United States Department of Agriculture

Agricultural Marketing Service

Livestock, Meat, Grain, and Seed Division

National Agricultural Library Building
Beltsville, MD. 20705

December 3, 1982

076 002 08

SUBJECT: Seed Sample of Protected Variety
Certificate No. 8000158
Kind and Variety -- Wheat and 'Pike'
Breeder -- The Curators of the University of Missouri

TV-25668

TO : National Seed Storage Laboratory
Fort Collins, CO 80521

Attached is the above-identified sample and an Objective Description of Variety form in accordance with our Memorandum of Understanding and as agreed upon during my visit with Dr. Louis Bass on June 12, 1972.

One copy of this duplicate form showing the result of your germination test on 100 seeds of pure seed of this sample should be returned to this Office. Return of the duplicate form will serve as acknowledgement of receipt of the sample.

Germination: 89 % Date: 4/83

Sincerely,

Kenneth H. Evans

Kenneth H. Evans
Acting Commissioner
Plant Variety Protection Office
(TEL. 301/344-2518)

Attachment

In duplicate

176443

Evans O.K.
6/24/83

March 5, 1985

In reply refer to:
FSA 85-0271

Mr. Darrel L. Sharpe
Supervisor, Bureau of Feed & Seed
Plant Industries Division
Department of Agriculture
State of Missouri
Post Office Box 630
Jefferson City, Missouri 65102-0630

Dear Mr. Sharpe:

Reference is made to your letter to Leo. F. Grethen, Holden Fertilizer, Holden, Missouri, regarding Missouri Certified Pike wheat seed being sold after the germination test date had expired. You state that the seed is in apparent violation of Title V of the Federal Seed Act because the seed was not recertified for germination. Both the Federal Seed Act and the Plant Variety Protection Act specify that certified seed means seed which has been determined by an official seed certifying agency to conform to standards of genetic purity and identity. Seed certified by the Missouri certification agency for genetic purity and identity does not lose its status as certified seed (for the purposes of the Federal Seed Act and the Plant Variety Protection Act) if the germination test date expires. For this reason we are taking No Action on this complaint.

Thank you for sending us the complaint. We appreciate your continued support in enforcing the Federal Seed Act.

Sincerely,

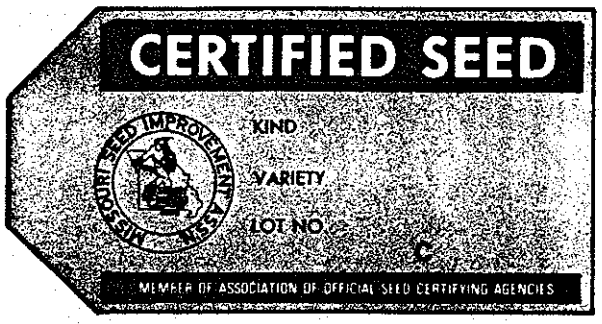
Jonathan E. Farmer
Seed Marketing Specialist
Seed Branch
Livestock and Seed Division

cc: Plant Variety Protection Office
Missouri Seed Improvement
Certification File

Missouri Seed Improvement Association

3211 LeMone Industrial Blvd.
Columbia, Missouri 65201-8245

TELEPHONE 314-449-0586 or 449-0587



September 20, 1988

Loida Supply Company
Hwy 61 south
Ste. Genevieve, MO 63670

Dear Sirs:

We have obtained a copy of your advertisement (copy attached) which appeared in the St. Genevieve Herald on September 14, 1988, regarding UNCERTIFIED varieties of seed wheat for sale.

The following are Protected Varieties under the United States Plant Variety Protection Act of December 24, 1970 and is covered by Title V Provisions of the Act which states "Varieties with Title V Provisions must be sold as a class of Certified seed by Variety name only".

PROTECTED VARIETIES

Caldwell

Pike

Magnum

Florida*

* Florida is not a certifiable variety, the variety you are advertising is Florida 301 or Florida 302, which is also a protected variety.

We request that you withdraw the advertisement and discontinue the sale of UNCERTIFIED seed of the varieties listed above.

MISSOURI SEED IMPROVEMENT ASSOCIATION

Jerry Schuerenberg, Executive Secretary

cc: (note attached page)

agenda and very little

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we, too, have a number
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cc: Mr. Ken Evans, Commissioner — All Protected Varieties
Plant Variety Protection Office
Room 500, National Ag. Library Bldg.
Beltsville, MD 20705

Mr. Jonathan Farmer — All Protected Varieties
USDA-LSD Seed Branch
P.O. Box 96456
Washington, D.C. 20090-6456

Mr. Darrel Sharpe, Director — All Protected Varieties
Plant Industries Division
Missouri Dept. of Agriculture
P.O. Box 630
Jefferson City, MO 65102

Mr. Phillip J. Hoskins — Pike
University of Missouri-Columbia
UMC General Councils Office
227 University Hall
Columbia, MO 65211

North American Plant Breeders — Magnum
P.O. Box 2955
Shawnee Mission, KS 66201

Florida Department of Ag. & Consumer Services — Florida ?
Seed Certification Division
Mayo Building
Tallahassee, FL 32301

Purdue University — Caldwell
Agricultural Research
Office of the Director
Agricultural Admin. Bldg.
West Lafayette, IN 47907

Editor
Ste. Genevieve Herald
Ste. Genevieve, MO 63670